

Patent Abstracts of Japan

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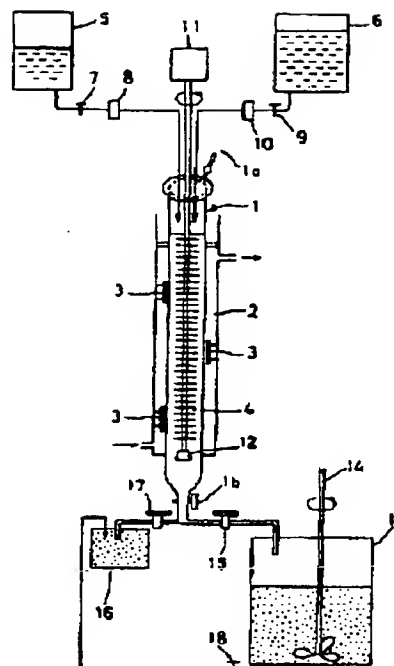
APPLICATION DATE : 10-05-91
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APPLICANT : SUMITOMO METAL MINING CO LTD;

INVENTOR : TODA HIDEO;

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TITLE : CONTINUOUS PRODUCTION OF
MONODISPERSE FINE SILVER
POWDER



ABSTRACT : PURPOSE: To homogeneously, continuously and easily obtain a monodisperse silver grain.

CONSTITUTION: A silver soln. 5 and a reducing agent soln. 6 are prepared, the solns. are continuously dripped into a slender reaction tube 1 at a specified rate and agitated, the reduced fine silver grain slurry is continuously discharged from the lower end of the tube 1, and the fine silver grain is drawn off by centrifugal separation or suction filtration. A water-soluble high molecular substance is added to the reducing agent soln. to make the silver grain monodisperse and globular. Meanwhile, a substance is added to the silver soln. and reducing agent soln. to control the diameter of the silver grain, and an ultrasonic vibrator 3 is set around the tube 1 to accelerate the reaction.

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